

VII. *Some Observations of Eclipses of Jupiter's Satellites, made by Geo. Lynn, Esq; at Southwick, near Oundle in Northamptonshire ; Communicated in a Letter to James Jurin, M.D. F. R. S. and Fellow of the Royal College of Physicians, London.*

S I R,

HEARING that some Foreigners enquired for Observations of the Eclipses of *Jupiter's* Satellite, I have sent what I had of that Sort: They are indeed but few these two last Years, on account of my Absence during part of the Time for Observation, and also on account of the small Arc *Jupiter* has lately made above our Horizon. The Telescope I made use of is the same as formerly, having a thirteen Foot Object-Glass, with an Aperture of two Inches and four Tenths, and an Eye-Glass of two Inches and an half Focus. By apparent Time, at *Southwick, near Oundle in Northamptonshire*, Longitude West from *London*, 00 Deg. 30 Min. as follows :

	Month.	D.	h.	'	"
1730. The 2d Satellite began	April	29	10	19	20
to emerge					
It seemed in a Minute after to be as					
bright as the 4th Satellite				20	20
And at full Brightness about				21	20
					The

	Month.	D.	h.	'	''
17 ²² ₃₀ .	The 4th Satellite emerged	Jan. 25	9	45	nearly
1730.	The 2d began to immerge	Nov. 28	13	17	46
	And was quite out of Sight at		19	46	
1731.	The 2d began to emerge	March 29	11	33	8
	And seem'd at full Brightness about		36	30	
	The 1st Satellite began to emerge	April 18	11	45	10
	And was at full Brightness about		46	10	
	Again the 1st began to emerge	May 4	10	4	30
	Was at full Brightness about		5	45	
	And passed by the 3d Satellite at		11	49	30
17 ³⁰ ₃₁ .	The 1st Satellite began to immerge	Jan. 7	12	2	55
	And was quite out of Sight about		4	25	
17 ³¹ ₃₂ .	The 3d Satellite began to immerge	Jan. 28	14	16	00
	Was but equal in Light to the 2d at		19	00	
	Quite gone at		24	00	
1732.	The 2d Satellite began to emerge	April 30	12	23	57
	The 1st Satellite began to emerge	May 6	12	48	44
17 ³² ₃₃ .	The 3d Satellite quite disappeared	Febr. 18	13	5	30
1733.	Again the 3d Satellite disappeared	April 2	13	3	30
	But it began to fail of its Light about 5 or 6 Minutes before.				
1735.	The 2d Satellite immersed	May 28	10	45	00
	The 3d began to emerge	August 3	9	10	30
	And was 4 or 5 Minutes before it came to its full Brightness.				